CEMENTER'S WELL SERVICE, INC.

P.O. BOX 336220 • GREELEY, CO 80633 • (970) 353-7299 • FAX (970) 353-7712

OUR INVOICE

198823

(PO#96976)

Date 1-4-10	Well Owner GREAT WESTERN	Well No. 20-15	Lease HCW
County WELD	State COLORADO		Field
Charge to ENSIGN US DRILLING			Charge Code
Address PO BOX 17805 (ENSIGN-7)			For Office Use Only
City, State DENVER COLORADO 80217			
Pump Truck No. 1202	Code	Bulk Truck No. 1216	Code
Type of Job		Depth	Ft. 579 To
Surface 8 5/8" CSG -244		Bottom of Surface	Ft. 569 To
Plug		Plug Landed @ 525 Ft.	Time On 1115
Production		Pipe Landed @ 569 Ft.	Time Off PLUG DOWN 1600

Reference No.	Description	Qty.	Meas.	Unit Price	Amount
	Pump Truck Charge				
	Cement Neat ✓	450	SKS		
	Poz. Mix				
	Calcium Chloride	3%			
	Gel % Flo-Cele 1/4 #Per Sack				
	Handling Charge				
	Hauling Charge				
	Additional Cement				

MIX RATE 4 BPM	SLURRY	VOL	1.18	FT3/SK	WATER	TEMP 44°
DISP RATE 5 BPM	SLURRY	WT	15.2	PPG		
PLUG LANDED @ 250 PSI	TOTAL	SLURRY	VOL	94.5 BBL	CEMENT	

Remarks	Tax Reference Code	Sub Total
PRE FLUSH W/20 BBL H2O		
DISPLACE W/33 BBL H2O	State CO 2.9 %	Tax
CIRCULATE 6 BBL CEMENT	Disc.	Total

Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
1202		Pump Truck		30			
1216		Bulk Truck		30			

We do not assume any responsibility for any damage or conditions resulting from our services. All pricing is subject to review and revision.

Delivered By JOE, JOSH, KERRY, EVAN

Received By Donald F Mastard
Customer or His Agent

CEMENT JOB REPORT

CUSTOMER	DATE	F.R. #	SERV. SUPV.
Great Western Oil & Gas LLC	09-JAN-11	1001743998	JEFFREY A ANDERSON

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
HCW #24-13 - API 05123315000000	24-6N-67W	Weld Colorado

DISTRICT	DRILLING CONTRACTOR RIG #	TYPE OF JOB
Brighton	Ensign 7	Long String

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE
Cement Plug, Rubber, Top 4-1/2 in	Cement Basket, Slip On, 4-1/2 in
	Centralizer, with Pins, 4-1/2 in

PHYSICAL SLURRY PROPERTIES

MATERIALS FURNISHED BY BJ	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT^3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh Water	0	8.34	0	0	00:00	20	
50:50 Poz + Additives	320	14.6	1.38	5.90	02:30	78.5	44.86
Claytreat Water	0	8.34	0	0	00:00	114.4	
Mud Clean II	0	8.5	0	0	00:00	20	
Fresh Water	0	8.34	0	0	00:00	20	
Premium Lite Cement + Additives	187	11	3.22	19.86	03:30	156	128.78
					TOTAL	408.9	173.64

Available Mix Water 500 Bbl. Available Displ. Fluid 200 Bbl.

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. SIZE	WGT.	TYPE	DEPTH	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
7.875	0	7410	4.5	11.6	CSG	7380	N-80	7380	7364	0

LAST CASING SIZE	WGT	TYPE	DEPTH	PKR-CMT RET-BR PL-LINER BRAND & TYPE	DEPTH	PERF. DEPTH TOP	BTM	TOP CONN SIZE	THREAD	WELL FLUID TYPE	WGT.
8.625	24	CSG	580	No Packer	0	0	0	4.5	8RD	WATER BASED MU	9.3

DISPL. VOLUME VOLUME	UOM	DISPL. FLUID TYPE	WGT.	CAL. PSI BUMP PLUG	CAL. MAX PSI TO REV.	OP. MAX SQ. PSI	MAX TBG PSI RATED	Operator	MAX CSG PSI RATED	Operator	MIX WATER
114.4	BBLS	Claytreat Water	8.34	2500	0	0	0	0	6224	3000	Rig Tank

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] | Circulation Time: 1 | Circulation Rate: 6 BPM

Mud Density In: 9.3 LBS/GAL Mud Density Out: 9.3 LBS/GAL | PV & YP Mud In: 0 | PV & YP Mud Out: 0

Gas Present: NO [ ] YES [X] Units: 0 | Solids Present at End of Circulation: NO [X] YES [ ]

Displacement And Mud Removal

Displaced By: Rig [ ] BJ [X] | Amount Bled Back After Job: 1 BBLS

Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL | Method Used to Verify Returns: Visual

Cement Returns at Surface: [ ] YES [X] NO | Were Returns Planned at Surface: [X] NO [ ] YES

Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [ ] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [ ] NO [X] YES | Quantity: 30 | Type: [ ] BOW [ ] RIGID

Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [X] MANIFOLD [ ] NO MANIFOLD

Plugs

Number of Attempts by BJ: 0 Competition: 0 | Wiper Balls Used: [X] NO [ ] YES Quantity:

Plug Catcher Used: [X] NO [ ] YES | Parabow Used: [X] NO [ ] YES

Was There a Bottom: [X] NO [ ] YES | Top of Plug: 0 FT Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ] SHOE SQUEEZE [ ] TOP OF LINER SQUEEZE [ ] PLANNED [ ] UNPLANNED [ ]

Liner Packer: [X] NO [ ] YES | Bond Log: [X] NO [ ] YES PSI Applied: 0 Fluid Weight: 0 LBS/GAL

Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud | Time Held: 00 Hours 00 Minutes

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

PRESSURE/RATE DETAIL	EXPLANATION

CEMENT JOB REPORT

Shoe Test (Update Original Treatment Report for Primary Job)

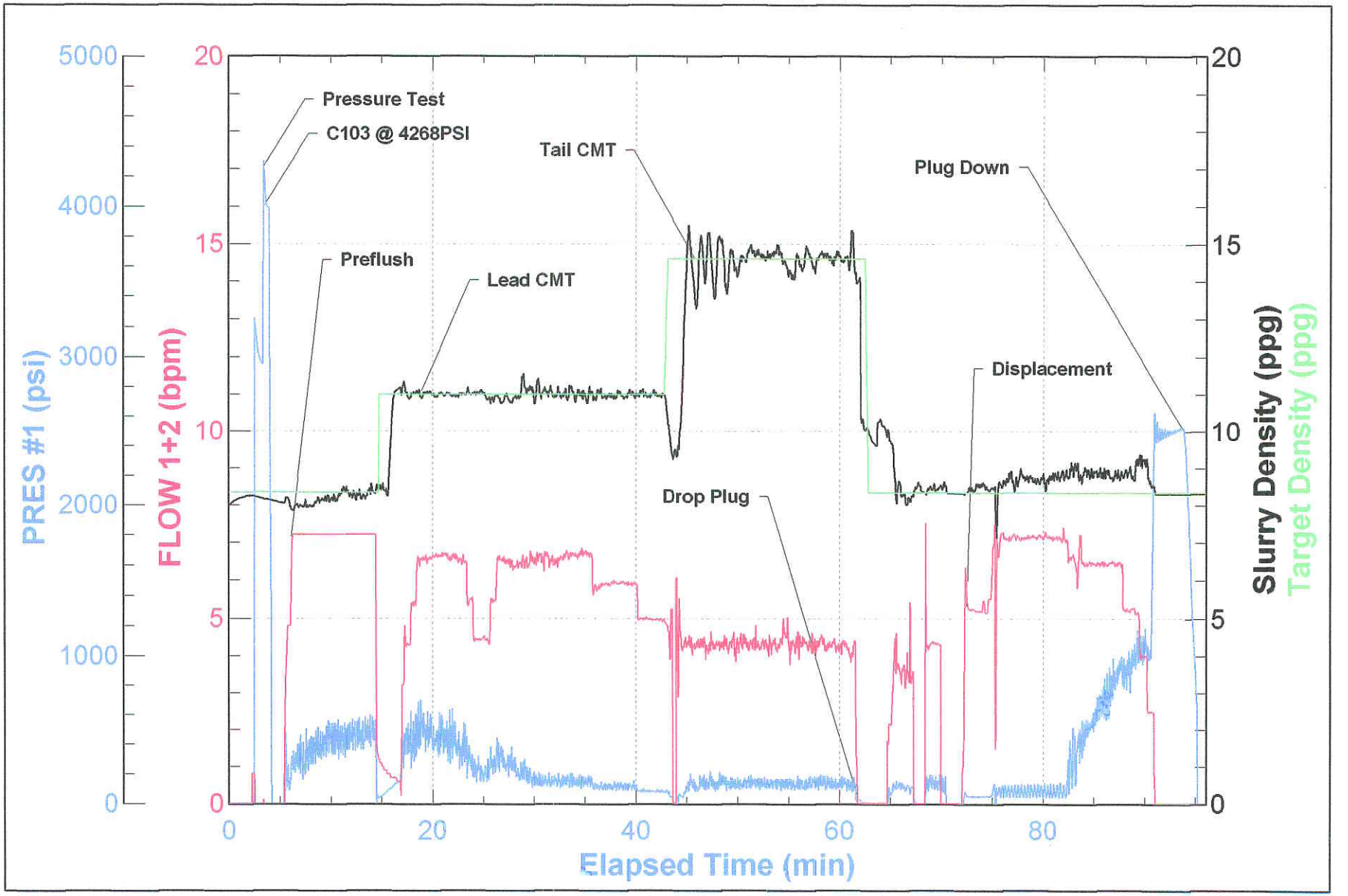
Depth Drilled out of Shoe: 0 FT	Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
Number of Times Tests Conducted: 0	Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
N/A

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
N/A

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
N/A

PRESSURE/RATE DETAIL						EXPLANATION
TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 4000 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
06:45	0	0	0	0	N/A	Pre Rig Up Meeting
07:30	0	0	0	0	N/A	Safety Meeting
08:03	4268	0	0	0	WATER	Pressure Test
08:06	480	0	7.2	20	WATER	Fresh Water
08:10	500	0	7.2	20	WATER	Mud Clean II
08:13	500	0	7.2	20	WATER	Fresh Water
08:16	517	0	6.6	156	CEMENT	Batch up and pump Lead Slurry 275 sks @ 11 PPG of PLC + 4% Bentonite + 0.6% Sodium Metasilicate + 8 Lbs/Sk CSE-2 + 190.4% Fresh Water
08:45	150	0	4	78.5	CEMENT	Batch up and pump Tail Surry 320 sks @ 14.6 PPG of POZ G + 0.3% CD-32 + 0.4% FL-52 + 0.1% Sodium Metasilicate + 20% Silica Flour + 58.5% Fresh Water
09:03	0	0	0	0	N/A	Drop Plug
09:13	100	0	7.1	66	WATER	Displacement
09:23	474	0	7.1	34	WATER	Caught Cement
09:28	910	0	5.2	5	WATER	Drop Rate
09:30	999	0	4	5	WATER	Drop Rate
09:31	1013	0	2.4	4.4	WATER	Drop Rate
09:32	2513	0	0	0	N/A	Plug Down Bbls Claytreat Water
09:35	0	0	0	0	N/A	Pre Rig Down Meeting

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
[Y] N	2500	[Y] N	0	408.9	0	Y [N]	Jeff Anderson

BJ Services JobMaster Program Version 3.50
Job Number: 1001743998
Customer: GREAT WESTERN
Well Name: HCW 24-13